

Date: Sun, 17 Jan 93 04:30:04 PST  
From: Packet-Radio Mailing List and Newsgroup <packet-radio@ucsd.edu>  
Errors-To: Packet-Radio-Errors@UCSD.Edu  
Reply-To: Packet-Radio@UCSD.Edu  
Precedence: Bulk  
Subject: Packet-Radio Digest V93 #16  
To: packet-radio

Packet-Radio Digest Sun, 17 Jan 93 Volume 93 : Issue 16

## Today's Topics:

Communicating overseas with Radio...  
HELP me to find Packet Radio software for ATARI ST!  
How to learn about packet?  
rec.radio.info Submission Guidelines  
rsgb gb2rs news 17th november 1993  
Welcome to rec.radio.info!

Send Replies or notes for publication to: <Packet-Radio@UCSD.Edu>  
Send subscription requests to: <Packet-Radio-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Packet-Radio Digest are available (by FTP only) from UCSD.Edu in directory "mailarchives/packet-radio".

We trust that readers are intelligent enough to realize that all text herein consists of personal comments and does not represent the official policies or positions of any party. Your mileage may vary. So there.

Date: Sat, 16 Jan 93 10:36:24 EST  
From: swrinde!news.dell.com!gator!towers!bluemoon!gerry@network.UCSD.EDU  
Subject: Communicating overseas with Radio...  
To: packet-radio@ucsd.edu

christos@kuhub.cc.ukans.edu writes:

> Hello there,  
>  
>  
> I am going abroad to a European Country, and I would like to know  
> if it is possible to communicate with some friends of mine via radio  
> broadcasting....Is there such a facility in the USA? How can I get  
> information about that?  
>  
> I appreciate any relevant response.  
>

> Feel free to send mail to:  
> Internet Address: rsl11@kuhub.cc.ukans.edu

In general international "third-party" traffic by amateur radio is forbidden. This is particularly true for messages which are not related to amateur radio. Some countries, perhaps a few in Europe, have treaties with the U.S. which waive this prohibition to greater or lesser degree. Try American Radio Relay League, 225 Main St., Newington CT 06111 USA phone 203-666-1541 for information about specific countries. Business or commercial traffic by amateur radio is always prohibited.

gerry@bluemoon.rn My amateur radio callsign is K8EF, and my packet radio address is K8EF@W8CQK.OH.USA.NA

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Date: Sat, 16 Jan 93 19:40:36 +0400  
From: mcsun!fuug!kiae!demos!newserv@uunet.uu.net  
Subject: HELP me to find Packet Radio software for ATARI ST!  
To: packet-radio@ucsd.edu

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Date: Sat, 16 Jan 1993 03:50:01 GMT  
From: usc!sdd.hp.com!hpscit.sc.hp.com!hplextra!hpfcso!hplvec!  
tcline@network.UCSD.EDU  
Subject: How to learn about packet?  
To: packet-radio@ucsd.edu

> In rec.radio.amateur.packet, cvm@nauvax.ucc.nau.edu writes:  
>  
> For example: I would like to know the details of the AX.25 protocol.  
>  
> -----  
> Chris Michels -- Systems Programmer cvm@nauvax.ucc.nau.edu  
> Northern Arizona University -- Flagstaff, AZ cvm@nauvax.bitnet  
> Phone: (602) 523-6495 N7YIU

I have uploaded the "AX.25 Amateur Packet-Radio Link-Layer Protocol, Version 2.0 October 1984" specification as ax25.doc in /hamradio/packet/ on ucsd.edu . If you have problems getting the file, I'll be pleased to email it to you.

If you have Internet mail but not FTP, try the FTP mail server: send a

mail message with the subject "help" and a single message line "help" to  
ftpmail@decwrl.dec.com.

73's

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Ted Cline, N0RQV                           VXI Systems Division  
ted\_cline@hpisla.lvld.hp.com           Hewlett-Packard, M/S CU-326  
tcline@hpislx.lvld.hp.com               815 14th Street SW  
VOICE: (303) 679-2352                   P.O. Box 301  
FAX: (303) 679-5971                      Loveland, CO 80537 USA

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Date: Sat, 16 Jan 93 02:32:28 MST  
From: cs.ubc.ca!unixg.ubc.ca!kakwa.ucs.ualberta.ca!ersys!adec23!ve6mgs!rec-radio-  
info@beaver.cs.washington.edu  
Subject: rec.radio.info Submission Guidelines  
To: packet-radio@ucsd.edu

Archive-name: radio/rec-radio-info/guidelines  
Last-modified: \$Date: 1993/01/15 12:00 \$  
Version: \$Revision: 1.0 \$

\*\*\* rec.radio.info - Submission Guidelines and Etiquette \*\*\*

Two introductory articles about rec.radio.info are posted to this group and to news.answers every two weeks. You are now reading the second article, which explains how to submit something to rec.radio.info, and which answers some Frequently Asked Questions about the submission process. The first article is titled "Welcome to rec.radio.info", and it might be a good idea to check it out as well.

-- How do I submit something to rec.radio.info?

Two possibilities. You can use your newsreading software to just post the article to rec.radio.info, as you would do with any other newsgroup. The difference is that the software recognizes the special status of rec.radio.info as a moderated group, and will e-mail your article to me, the moderator, instead of posting it to the group.

Alternatively, you can mail your article directly to me at the following address:

rec-radio-info@ve6mgs.ampr.ab.ca

Mailing me directly is probably (a wee bit) faster, but using the transparency offered by the newsreading software is probably more convenient.

If you have any questions, or wish to deal with some administrivia with the moderator, I suggest mailing to the following address:

`rec-radio-request@ve6mgs.ampr.ab.ca`

-- How soon will I see my article appear?

It depends on how busy I am. Your article reaches me as mail, I have to read it first, possibly edit it, give it the stamp of approval, and finally send it on to the group.

I try to check and process the rec-radio-info mailbox at least three times a day. Since my site is UUCP connected (and in Canada, sometimes viewed as a foreign country from the US :-), the turnaround time may be somewhat lengthy. If you post a periodic article, and have shown to be trustworthy, we may allow you to post directly if the article is of a timely nature. See the section below on direct posting.

-- Should my article be in a specific format?

No. If it is not totally illegible, I will accept it, and if it does not have a correct subject-line I will correct it -- that's what a moderator is for.

However.

You could do me a big favor by making sure your article conforms to these simple requirements:

- 1) The article must present information, not discussion or requests, I will reject the article or require you to change the wording if it is worth it.
- 2) A good, descriptive Subject line.
- 3) Always mention what source you got the information from.
- 4) Don't forget to include a Followup-To header, at least if you don't want further discussion to automatically be forwarded to you, the poster, which is the default if the article is only posted to rec.radio.info.
- 5) Please try to keep commercial advertising out of the signature. One of the goals is to allow many of these messages to traverse through to Amateur Packet Radio, and even a mention of a company name can get some of the Arm-Chair lawyers up in arms :-}

As I said: if your article is appropriate I will post it even if you don't follow these guidelines, but then don't blame me for not processing it immediately. 'Perfect' articles I can send on with a couple of keystrokes. Stuff that needs minor editing is going to have to wait until I have time to do so.

Please do not waste both mine and your time by posting requests, as this is an information only news group.

-- What about cross-posting?

If you send something to rec.radio.info, just name any group you'd like to cross-post to in the Newsgroups field. Then, when I approve the article for rec.radio.info it will get automatically cross-posted to any other groups mentioned. This will also override the default Followup-To: poster, replacing it with the groups you cross posted to.

I would prefer if the group be cross-posted to the various discussion groups in the rec.radio.\* hierarchy that are appropriate:

rec.radio.amateur.misc Amateur (ham) radio and related matters  
rec.radio.amateur.packet Amateur Packet Radio discussions  
rec.radio.amateur.policy Amateur Radio practices, rules, etc.  
rec.radio.noncomm Non commercial radio discussions  
rec.radio.shortwave International broadcasting on the 'HF' bands  
rec.radio.cb Citizens Band (27 MHz) discussion  
alt.radio.scanner Scanner discussions (unsupported group)

or in the moderated group:

rec.radio.broadcasting Discussion of \*domestic\* radio broadcasting

I will leave it up to the poster to decide which group(s) are appropriate, but reserve the right to add groups if I feel it has broader interest.

Note: rec.radio.broadcasting is also a moderated group. It \*may\* be necessary to 'manually' post your articles to it's moderator. If you wish the article to cross-post to rec.radio.info and rec.radio.broadcasting, place the e-mail address of - rrb@airwaves.chi.il.us - in the Cc: (carbon copy) field when you mail, and state, in the article, where you want the Followup-To: to be set. Since William Pfeiffer, the rec.radio.broadcasting moderator, is part of the moderation team for rec.radio.info, I will typically abide by his decision whether the article is appropriate for rec.radio.info.

If you post to another moderated group it may be better to make special arrangements with both moderators before posting by contacting us at our administrivia addresses.

In addition, cross-posts do not take up extra space; modern newsreaders can be configured to show you cross-posted articles only once anyway; not everybody reads rec.radio.info; and rec.radio.info was never meant to reduce the volume of the regular discussion newsgroups. But keep in mind that some of the mail gateways may filter out the informational postings (at request of the subscribers) to keep the load down.

You decide.

-- I have a regular posting with timely information, can I make arrangements to help speed up delivery by posting directly from my site?

Yes, there is! It may take a bit of chatter with the moderator, but we are willing to take responsible people and provide them the means of posting the articles directly from their site. We will try everything we can as we fully realize that DX (distant signal) and astronomical data can be somewhat transitory. We are also willing to allow regular posters of information the same courtesy, even if the information is not as timely.

We refer to this as self-moderation, which is partly based on the model for news.answer. This requires co-operation and good will to be beneficial to the community in the rec.radio hierarchy.

If you are currently maintaining (or plan to maintain) a radio-related periodic information posting, you may wish to consider cross-posting it to news.answers. Postings that are approved by the news.answers moderator for this treatment are automatically pre-approved for cross-posting to rec.radio.info (as the news.answers requirements are far more rigorous than the requirements this newsgroup ever plans to use). For more information about this option, consult the appropriate information articles and posting guidelines in news.answers.

Realize also, that even if your post is not approved for news.answers, it can still be approved for rec.radio.info. The intention is not so much to get every last bit of radio-related information on news.answers, but rather to provide an alternative avenue of approval (as well as grandfather existing maintainers of radio-related information and spare them additional bureaucratic hurdles). Again, cross-posting to either rec.radio.info or news.answers, both, or neither, is at the discretion of the poster (subject to the approval of the moderators). You decide what is most appropriate for your article.

Please remember that as an information maintainer, you are not alone. There are many others on the net who maintain and post periodic information postings, using various intermediate-to-advanced features of Usenet (usually via automated tools). Various degrees of technical support and general hand-holding are available from many Usenet veterans. Send me some E-mail describing your needs, and I'll try to help, or at least refer you to the right knowledgeable individual(s).

-- And Follow-ups?

If the only newsgroup you have specified is rec.radio.info, then the Followup-To: field will always be set to poster. If you do not want this, you must supply a Followup-To line of your own, and I will honor that one.

If you specify newsgroups to cross-post to, then the Followup-To field will be set to include all the cross-posted groups, excepting rec.radio.info itself.

Again, if you do not wish this behavior, supply your own Followup-To line.

-- Why have I received no reply from you?

I never reject anything in silence, and I make a point of it to answer all my mail. However, e-mail can and does get lost, every now and again.

So, if you send me something, and you don't see it appear in rec.radio.info, and you still have not heard from me in reply after say, one week, you can be pretty sure that either your mail never reached me, or that my answer has never reached you. In that case, please try again.

--

Mark Salyzyn -- Moderator rec.radio.info  
Submissions to: rec-radio-info@ve6mgs.ampr.ab.ca  
Administrivia to: rec-radio-request@ve6mgs.ampr.ab.ca

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Date: Sun, 17 Jan 1993 09:29:22 +0000  
From: pipex!demon!tedb.demon.co.uk!ted@uunet.uu.net  
Subject: rsbg gb2rs news 17th november 1993  
To: packet-radio@ucsd.edu

Good morning. It's Sunday the 17th of January and here is the GB2RS news broadcast, prepared by the Radio Society of Great Britain.

First the headlines:- A double celebration at RSGB HQ; the antarctic expedition is at the South Pole; and the Kidderminster rally has been cancelled.

Last Monday, the RSGB celebrated two happy occasions. The first was the presentation of a certificate to Britain's first astronaut Helen Sharman OBE marking her election as an Honorary Member of the Society. The presentation was made by the President, Peter Chadwick, G3RZP. In her acceptance speech she said the certificate embodied all of the friendships she had made through her involvement with amateur radio. Sharing the limelight with Helen Sharman was the longest serving member of RSGB Headquarters staff Derek Cole who for 25 years has been the Technical Illustrator of RadCom and most RSGB books. The President presented Derek with a magnificent engraved barometer.

Laurence Howell, GM4DMA, reports that Ran Fiennes and Mike Stroud should be at, or just past, the South Pole by now. They have already walked half of the gruelling 2,200 mile journey across Antarctica. The aim is to be the first to cross the Antarctic on foot and at the same time to raise 2M for research into Multiple Sclerosis. They are in good spirits and their physical condition is reportedly good despite Ran's weight having dropped by 42lb. Morag Howell is providing the expedition communications from Patriot Base. Morag is active

on the HF amateur bands when possible as GB4MSS/VP8 but operation is from batteries charged by solar cells so power must be used sparingly.

The Kidderminster and District Amateur Radio Society regrets to announce that its rally which was scheduled to be held on Sunday the 21st of February has been cancelled. Further details from Geoff Philpotts, G0RJP whose address is correct in the 1993 RSGB Call Book.

The chairman of the RSGB VHF Committee, Peter Burden, G3UBX, tells us that the UK has, along with other European countries, agreed to the use of 433.050 to 434.790MHz for 'low power devices' limited to 10 milliwatts. Following representations from the RSGB, the Radiocommunications Agency has undertaken, in the event of problems being experienced, to defend the amateur service. The RSGB and the RA will be paying particular attention to receiver specifications. This new allocation does not in any way affect the present or future status of the amateur service on 432MHz. Amateurs should continue to use the 432MHz band normally and should continue to plan and install new equipment for this band.

Next a reminder that the Winter Microwave Cumulatives, which are non-competitive events take place on Sundays: the 31st of January, 28th of February and 28th of March. Bands to be used are 2.3GHz upwards. The Adjudicator is Steve Davies, G4KNZ, whose address is 14 Herondale, Birch Hill, Bracknell, Berks, RG12 7ZT. A report on the Cumulatives will be published in the Microwave Newsletter only. Further details can be obtained from Ted Jewell, G4ELM, whose address is correct in the RSGB Call Book.

Now some items of HF DX news from the weekly RSGB DX News Sheet which is edited by Brendan McCartney, G4DY0. From Pitcairn Island, VK4CPU and WK3D will sign VR6BB and VR6JJ respectively from early January until March, exact date depends on transportation, on all bands 6 to 160 metres using CW, SSB, RTTY and FM. From the Cayman Islands, K0BJ will sign ZF2NJ from today Sunday the 17th, until Sunday the 24th of January on 10, 15 and 20 metres using mainly CW, plus some SSB on 10 metres. From Auckland/Campbell Islands, HB9TL will sign ZL9/HB9TL from the 15th to the 21st of January. Check 14.192 or 14.242MHz SSB. From Barbados, VE3ICR will sign 8P9DX from the 23rd of January, until the 6th of February, taking in the CQWW 160 metres Contest. From Tonga, A35CT hopes to be active for the next 2 to 3 years, check 14.219MHz at 0530GMT.

Rally news now and we know of no rally scheduled for this weekend, but there are two events next Sunday, the 24th: The Lancastrian Rally is to be held at the University of Lancaster. Doors open at 10.30 for disabled visitors. Further details can be obtained from Sue, G10HH, by telephoning 0524 64239. The Oldham Amateur Radio Club's Mobile Radio Rally is to be held at the Queen Elizabeth Hall, Civic Centre, West Street, Oldham. Doors open for Morse Test participants at 1000am, for Disabled visitors at 1030 and at 1100am for all others. There are catering facilities and ample car parking. Talk-in on channel S22 from 0900am using the callsign GB4ORC. Further details can be

obtained from Kathy, G4ZEP, by telephoning 061 633 0550 during the day time, or 061 652 8617 evenings.

Next, a date for your diary:

International Marconi Day 1993 will be held on the 24th of April. A number of special events are scheduled. We will bring you news of these nearer the date.

Some HF Contest news now:

The RSGB LF Cumulative Contest sessions take place as follows: The 7.0MHz sessions are today Sunday the 17th and next Saturday the 23rd, from 1000 to 1200GMT. The 1.8MHz event is scheduled for Wednesday the 20th, from 2000 to 2200GMT. And the 3.5MHz event is on Sunday the 24th of January, from 1600 to 1800GMT. For further details see page 62 of December's edition of Radio Communication.

Now the VHF Contest news:

Today, Sunday the 17th, the 144MHz CW Single Operator Fixed, All Other and SWL Contest will run between 1000 to 1600GMT. The 70MHz Cumulative Contest is scheduled for next Sunday the 24th, from 1000 to 1200GMT. This the first of five 70MHz Cumulative Contests to be held during January to March. For further details see December's RadCom page 61.

And now the solar factual data:

The period 4th to 10th January has seen a lot of magnetic disturbance, with little solar flare activity in spite of the more active side of the sun coming into view. No flares of any note have been reported. The sunspot count steadily rose over the period and meaned about the 119s. Solar flux levels hardly varied day to day and averaged 128 units. The geomagnetic Ap index averaged 23 units, but has been up to sub storm levels on the 4th, 7th, and 10th, reaching up to 34 units, with K figures up to 7 on the 10th. The state has been 'mag storm' most days, with the higher latitudes and night times being mostly affected. The radio quality indices started at very poor and slowly improved as the period progressed, with levels reaching normal by the 10th, there was no good circuit, but on odd days the Tokyo circuit was above normal, so generally conditions have been poor. The aa indices, as supplied by the British Geological Survey, for the 29th of December to the 4th of January gave daily averages of 32.5 nanoTeslas, about K3. The 29th was up to 59 nanoTeslas with the afternoon period being up to 102 about K5. The monthly mean sunspot count for December was 83.3 with the maximum of 132 on the 11th and the minimum of 34 on the 7th, The predicted smoothed count for June 1992 was 97.1 +/-5.

Now the ionospheric data for Central France:

The F2 daytime critical frequencies at Poitiers, as reported by Meudon, averaged 10.7MHz, for some unknown reason the 8th saw a high level of 12.4MHz, but this was not reflected in other parameters. The darkness hour lows averaged 2.6MHz. Spread F has been reported lasting up to 6 hours some days, mainly during the very early morning periods.

Now the ionospheric data for the north:

The F2 daytime critical frequencies at Ekaterinberg averaged 8.6MHz, with the darkness hour lows being 2.6MHz. Interest in geomagnetic activity has grown in recent years and more reliance is now being placed in the K figures. These are indices of activity covering a three-hour period, with eight figures for the 24 hours. This is therefore a quick way to highlight the quiet or active periods during any day. Ap and aa indices as used in these bulletins are in fact all available in K figures.

And lastly the solar forecast:

This week, the most active side of the sun will have passed by, so solar flux levels are expected to be about the 125s, geomagnetic activity is expected to be just unsettled at first becoming quieter as the week continues. HF band conditions are expected to be normal with daytime MUFs up to 30MHz. and darkness hours up to 14MHz. With the seasonal changes taking place east/west contacts are now becoming more difficult during darkness hours.

And that is the end of the solar information.

Finally in the main news, SSL has informed the Society that as of last Wednesday morning, the latest callsigns issued were in the G0 S X and G7 N Y series, and Novice calls in the 2 0 A E and 2 1 B I series.

You're listening to GB2RS, the news broadcasting service of the Radio Society of Great Britain, transmitting in the 80, 40, 6 and 2 metre bands.

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Date: Sat, 16 Jan 93 02:32:10 MST  
From: cs.ubc.ca!unixg.ubc.ca!kakwa.ucs.ualberta.ca!ersys!adec23!ve6mgs!rec-radio-info@beaver.cs.washington.edu  
Subject: Welcome to rec.radio.info!  
To: packet-radio@ucsd.edu

Archive-name: radio/rec-radio-info/welcome  
Last-modified: \$Date: 1993/01/15 12:00 \$  
Version: \$Revision: 1.0 \$

\*\*\* Welcome to rec.radio.info! \*\*\*

Welcome to rec.radio.info, a group that aims to provide a noise-free source of information and news for the entire rec.radio hierarchy.

Two introductory articles about rec.radio.info are posted to the group and to news.answers every two weeks. You are now reading the first article, which explains what rec.radio.info is, and answers some Frequently Asked Questions. The second article is titled "Submission Guidelines", and you only need to read it if you want to submit an article to rec.radio.info.

-- What is the purpose of rec.radio.info?

The purpose or charter of rec.radio.info is to provide the Usenet community with a resource for information, news, and facts about any and all things radio.

All the other rec.radio groups are intended for discussions and general chit chat about radio. Rec.radio.info will contain informational, factual articles only. Follow-ups are redirected to an appropriate other group, and further discussion (if any) will not take place in rec.radio.info.

In order to ensure that rec.radio.info contains only appropriate articles, it was decided to create the group as a moderated newsgroup.

-- What is a 'follow-up', and what does 'moderated' mean?

If you are new to Usenet and are not familiar with the terminology, you might want to read the general introductory articles found in the newsgroup news.announce.newusers. Doing so will make your life on the net much easier, and will probably save you from making silly beginner's mistakes.

If you think that at this moment you are reading an echo, a conference, or a bulletin board, I'd also strongly suggest a trip over to news.announce.newusers.

For the rest of this article, I will assume you have a basic knowledge of Usenet terminology and mechanics.

-- OK, so now I know what 'moderated' means. Tell me more.

Rec.radio.info is a moderated newsgroup, which means that all articles submitted to the group will have to be approved by the moderator first.

The current moderator of the group is Mark Salyzyn. Submissions to rec.radio.info can be posted, or e-mailed to:

rec-radio-info@ve6mgs.ampr.ab.ca

Comments, criticisms, suggestions or questions about the group can be e-mailed to:

rec-radio-request@ve6mgs.apmr.ab.ca

But before you do so, please be sure to check out the "Submission Guidelines" article.

The influence of the moderator should be minimal and of an administrative nature, consisting chiefly of weeding out obviously inappropriate articles, while making sure correct headers etc. are used for the appropriate ones.

-- What type of material is considered inappropriate?

There are three broad categories of articles which will be rejected by the moderator:

- 1) Requests for information: rec.radio.info is strictly a one-way street. I receive information in my mailbox; I then post it to rec.radio.info. Requests for specific information belong in the normal discussion newsgroups. If your request gets answered, you might consider passing the answer on to rec.radio.info, though. Especially if you can edit it into a informational, rather than a discussion, format.
- 2) Obvious discussion articles, or articles that appear unsubstantiated.
- 3) Commercial stuff: a relatively unbiased test of a radio product would be accepted, but any hint of for-profit might be reason for rejection. For three reasons: This is not the purpose of the list, for-profit is a controversial topic, and this list may be passed onto Amateur Packet Radio (where for-profit is prohibited except under certain provisos).

rec.radio.swap may be more deserving of the posting in any matter.

Similarly, copyrighted material generally cannot be used. If it's TRULY worthwhile to the net, I would recommend obtaining permission from the copyright holder. Please note the source, and if permission was given. I reserve the right to make the final decision concerning appropriateness in all situations. In most cases, a brief summary of, or pointer to, the copyrighted information may be all I can allow.

-- Will the material appearing in rec.radio.info be archived somewhere?

Yes. Still firming up details at the moment but here is a preliminary list:

- unbc.edu as maintained by Lyndon Nerenberg <lyndon@unbc.edu>
- nic.funet.fi maintained by Risto Kotalampi <rko@cs.tut.fi>  
saved to /pub/dx/text/rec.radio.info currently stored as  
numbered files.

Effectively this means that anything you post to rec.radio.info will be permanently stored, so your work will not be lost.

-- I have a regular posting with timely information, is there a way to speed up it's delivery, or automate for more convenience?

Yes, there is! It may take a bit of chatter with the moderator, but we are willing to take responsible people and provide them the means of posting the articles directly from their site. We will try everything we can as we fully realize that DX (distant signal) and astronomical data can be somewhat transitory. We are also willing to allow regular posters of information the same courtesy, even if the information is not as timely.

We refer to this as self-moderation, which is partly based on the model for news.answer. This requires co-operation and good will to be beneficial to the community in the rec.radio hierarchy.

I suggest reading the posting guidelines for more information. I am open to suggestions.

--

Mark Salyzyn -- Moderator rec.radio.info  
Submissions to: rec-radio-info@ve6mgs.ampr.ab.ca  
Administrivia to: rec-radio-request@ve6mgs.ampr.ab.ca  
\* Requests for information do \*not\* belong in rec.radio.info \*

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Date: 16 Jan 1993 11:49:00 -0600  
From: usc!howland.reston.ans.net!zaphod.mps.ohio-state.edu!moe.ksu.ksu.edu!  
matt.ksu.ksu.edu!news@network.UCSD.EDU  
To: packet-radio@ucsd.edu

References <eNTRwB1w164w@ham.almanac.bc.ca>,  
<1993Jan4.144520.19597@ultb.isc.rit.edu>, <1993Jan6.093218.27598@qualcomm.com>  
Reply-To : steve@matt.ksu.ksu.edu (Steve Schallehn)  
Subject : CDMA Packet Radio (WAS Re: Who do repeater coordinators represent?)

karn@servo.qualcomm.com (Phil Karn) writes:

> [...] Unfortunately, the  
>alternative techniques to "do it right" are still not yet known in the  
>amateur service. These include:  
>  
>1. Spread spectrum, which creates a channel that degrades more  
>gracefully with multiple simultaneous transmitters than does a  
>narrowband channel.

I have done some studies of modulation techniques proposed for the next generation mobile telephone systems and found CDMA (spread-spectrum) to be optimal. I agree that CDMA would also be great for amateur radio, but I thought CDMA is patented by Qualcomm. What effects will the patent have on developing CDMA packet networks?

[ Remainder of excellent suggestions deleted ]

>Phil

-Steve Schallehn KB0AGD  
Kansas State University

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Date: Sat, 16 Jan 1993 20:10:38 GMT  
From: swrinde!gatech!udel!sbc.sunysb.edu!rick@network.UCSD.EDU  
To: packet-radio@ucsd.edu  
  
References <1993Jan4.144520.19597@ultb.isc.rit.edu>, <1993Jan6.093218.27598@qualcomm.com>, <1j9hqcINN9rf@matt.ksu.ksu.edu>  
Subject : Re: CDMA Packet Radio (WAS Re: Who do repeater coordinators represent?)

In article <1j9hqcINN9rf@matt.ksu.ksu.edu> steve@matt.ksu.ksu.edu (Steve Schallehn) writes:

>I have done some studies of modulation techniques proposed for the next >generation mobile telephone systems and found CDMA (spread-spectrum) to >be optimal. I agree that CDMA would also be great for amateur radio, >but I thought CDMA is patented by Qualcomm. What effects will the >patent have on developing CDMA packet networks?

>-Steve Schallehn KB0AGD

I arrived at more or less the same conclusion that SS was a good avenue for future packet development, primarily because direct sequence spread spectrum is probably one of the cheaper ways to "fix" the multipath problem in high bit rate packet systems. The main hitch with CDMA (code division multiple access) is that the amateur radio service is allowed to use only three spreading codes. Is there work being done towards relaxing the regulations on use of spreading codes?

Rick Spanbauer, WB2CFV  
SUNY/Stony Brook

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Date: Sun, 17 Jan 1993 00:44:55 +0000  
From: pipex!demon!eyrie.demon.co.uk!df@uunet.uu.net

To: packet-radio@ucsd.edu

References <1993Jan16.201038.1158@sbc.sunysb.edu>, <1993Jan4.144520.19597@ultb.isc.rit.edu>, <1993Jan6.093218.27598@qualcomm.com>

Reply-To : df@eyrie.demon.co.uk

Subject : Re: CDMA Packet Radio (WAS Re: Who do repeater coordinators represent?)

In article <1993Jan16.201038.1158@sbc.sunysb.edu> rick@cs.sunysb.edu (Richard Spanbauer) writes:

> I arrived at more or less the same conclusion that SS was a good avenue  
> for future packet development, primarily because direct sequence spread  
> spectrum is probably one of the cheaper ways to "fix" the multipath  
> problem in high bit rate packet systems.

> The main hitch with CDMA (code division multiple access) is that the  
> amateur radio service is allowed to use only three spreading codes.  
> Is there work being done towards relaxing the regulations on use of  
> spreading codes?

This actually sounds like an interesting topic to pursue, and as (far as I can tell) the UK regulations do not limit the use of SS, I'd like to give it a go. Now I've just got to get some more info on SS, any references would be appreciated.

Cheers,

DF

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Derek Fawcus (G7FVS) df@eyrie.demon.co.uk

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Date: 16 Jan 1993 22:45:48 GMT

From: usc!cs.utexas.edu!tamsun.tamu.edu!willis@network.UCSD.EDU

To: packet-radio@ucsd.edu

References <Pine.2.4.9301142205.A8414@eis.calstate.edu>, <ai3eXB1w165w@stat.com>, <root.727128829@qwerty-gw>

Subject : Re: WB7TPY Internet Gateway

In article <root.727128829@qwerty-gw> quent@md.fsl.noaa.gov (Quentin Johnson) writes:

>In <ai3eXB1w165w@stat.com> david@stat.com (David Dodell) writes:

>

[...deleted...]

>>Correct, I am working under the assumption that mail from the internet  
>>is third-party traffic.

>  
>I've been wondering about this too. Being new to amateur radio I'm  
[...deleted...]>  
>What if someone sends email containing obscenities.  
If you can't say it on the air, then you can't send it as text. That's  
why many (most? all?) \*mail gateways\* operators have to make sure the  
mail is not automatically snet on the air.

>What about sound files containing music?  
How'd you get those sounds into the file?...Oh, you mean encoded files  
with data that could be decoded and then sent to some device that would  
produce music... No problem. 8-)  
>What about email to mailing lists -- is this considered broadcasting?  
No. Not anymore than packet bulletins or "all@ww" addrerssing.

All of the above just my humble opinion. Note follow ups set to  
rec.radio.amateur.policy.

Cheers,  
Willis n5szf

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Date: Sun, 17 Jan 93 08:34:46 GMT  
From: swrinde!emory!sol.ctr.columbia.edu!The-Star.honeywell.com!umn.edu!uum1!  
kksys.com!edgar!brainiac!jrc@network.UCSD.EDU  
To: packet-radio@ucsd.edu

References <1993Jan12.113135.13990@biggus.moron.vware.mn.org>,  
<jstark.726853484@mcsjh.hanse.de>, <9116@lee.SEAS.UCLA.EDU>i  
Subject : Re: Nos (KA9Q,PA0GRI...)

>I have been able to get most things to work. However, I have one problem -  
>the terminal emulation. I am not sure what emulation that these programs  
>support, and how to modify them. Preferably, I would like them to have  
>vt100 support.

Get the latest KA9Q (930104), and set your term type to ansi. It hasn't choked  
in vi yet, a pretty good test for an emulator.

--  
Jeffrey R. Comstock  
HOME jrc@brainiac.mn.org  
CW -.- .- -..

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End of Packet-Radio Digest V93 #16

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